



**DEPARTMENT OF THE ARMY**  
US ARMY INSTALLATION MANAGEMENT COMMAND  
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT BLISS  
1 PERSHING ROAD  
FORT BLISS, TEXAS 79916-3803



REPLY TO  
ATTENTION OF:

February 4, 2008

RECEIVED

FEB 6 2008

IMWE BLS-PWE

Mr. James Bearzi  
Chief, Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East  
Building 1  
Santa Fe, New Mexico 87505-6306

Dear Mr. James Bearzi:

Pursuant to your letter dated October 8, 2004 concerning approval of voluntary corrective action with modifications at FTBL-11 / SWMU-29, this letter notifies the New Mexico Environment Department (NMED) of the completion of the run-on control modifications as outlined in the response memorandum dated February 14, 2005 from Mr. David Dodge, Directorate of Environment, U.S. Army Garrison Fort Bliss.

A berm and ditch located on the south side of a major tank trail had been constructed to divert surface water runoff that crossed the tank trail from the north to the east or west so that the flow would not affect SWMU-29. SWMU-29 is located about 600 feet south of the tank trail. The berm at the tank trail had been breached, presumably by past runoff events. This breach allowed runoff to flow to the south to the extent that it eventually formed a swale that crossed over SWMU-29.

In the response memorandum to the NMED, Fort Bliss stated that it understood the need to control run-on and limit standing water. The memorandum described a preliminary watershed analysis that had been performed and a conceptual corrective action plan that consisted of the following major components:

- a. Reconstruction of the berm to repair the breach and deepening the ditch located on the south side of the tank trail to divert runoff to either the east or the west into forks of an established drainage system
- b. Construction of a new diversion channel between the tank trail and SWMU-29 to capture surface water runoff and route it to the west into the FTBL-12/SWMU-27 diversion channel, thus preventing the runoff from running onto SWMU-29.

Further evaluation of the conceptual corrective action plan indicated that reconstructing the berm and deepening the ditch at the tank trail was problematic because the runoff crossing the tank trail is concentrated at the location of the previous breach. This concentrated runoff would impinge directly upon the reconstructed berm, thus increasing the likelihood of the berm being breached by future runoff events. Armoring the berm and ditch with rip rap or other erosion control material to prevent breaching was considered but not implemented because of greater costs than the approach described below.

An alternate design was developed that consists of a diversion channel located up-gradient from SWMU-29 that will intercept runoff flowing towards SWMU-29. The channel was designed to route the runoff from a 25-year storm event to the FTBL-12/SWMU-27 diversion channel as shown in the design drawing in Attachment 4 of the attached report. The soil excavated during the channel construction would be used to backfill the existing swale and to construct a berm between the northern boundary of SWMU-29 and the diversion channel to further control run-on and prevent standing water on SWMU-29. The size of the earthen berm would depend upon the amount of excavated soil remaining after backfilling the swale.

Attached to this letter is a report of the design and implementation of the measures described briefly above. The implementation of these measures was performed in the summer of 2007. The report demonstrates that the measures taken to control run-on onto SWMU-29 and prevent standing water within SWMU-29 meet NMED's requirements.

The Environmental Division believes that it has met the intent of the modifications requested by the NMED and respectfully requests that the NMED accepts these completed run-on control modifications for SWMU-29 / SWMU-29.

Please note that our name has changed to the Environmental Division, Directorate of Public Works. If you should require further information, please do not hesitate to contact Kelly Blough at 915-568-0794 or Ron Baca at 915-568-7979.

Sincerely,



Sylvia A. Waggoner  
Chief, Multimedia  
Compliance Branch  
Environmental Division  
Directorate of Public Works

Enclosure (2) Adjacent Areas Run-on Control Report